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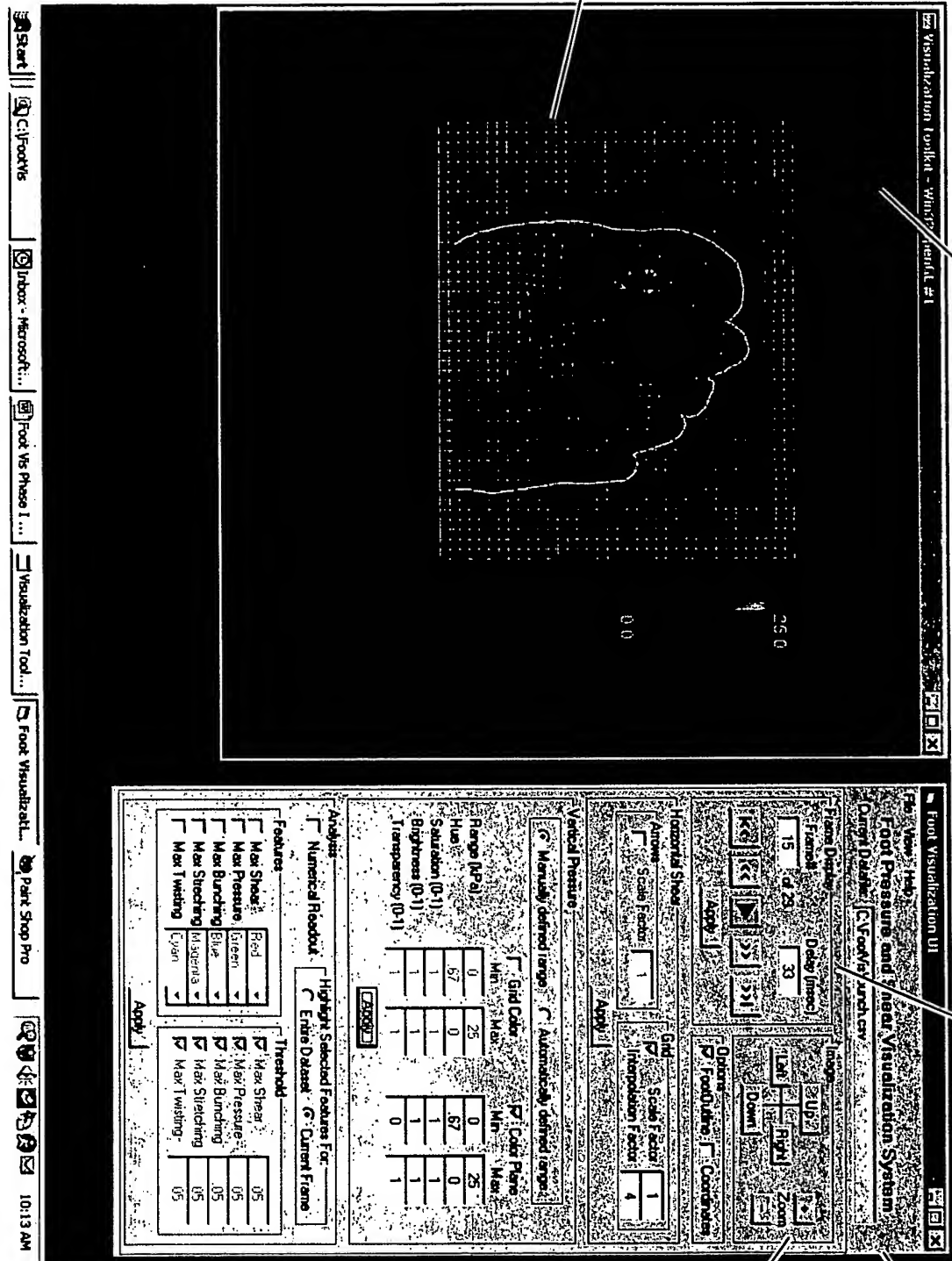


FIG. 1

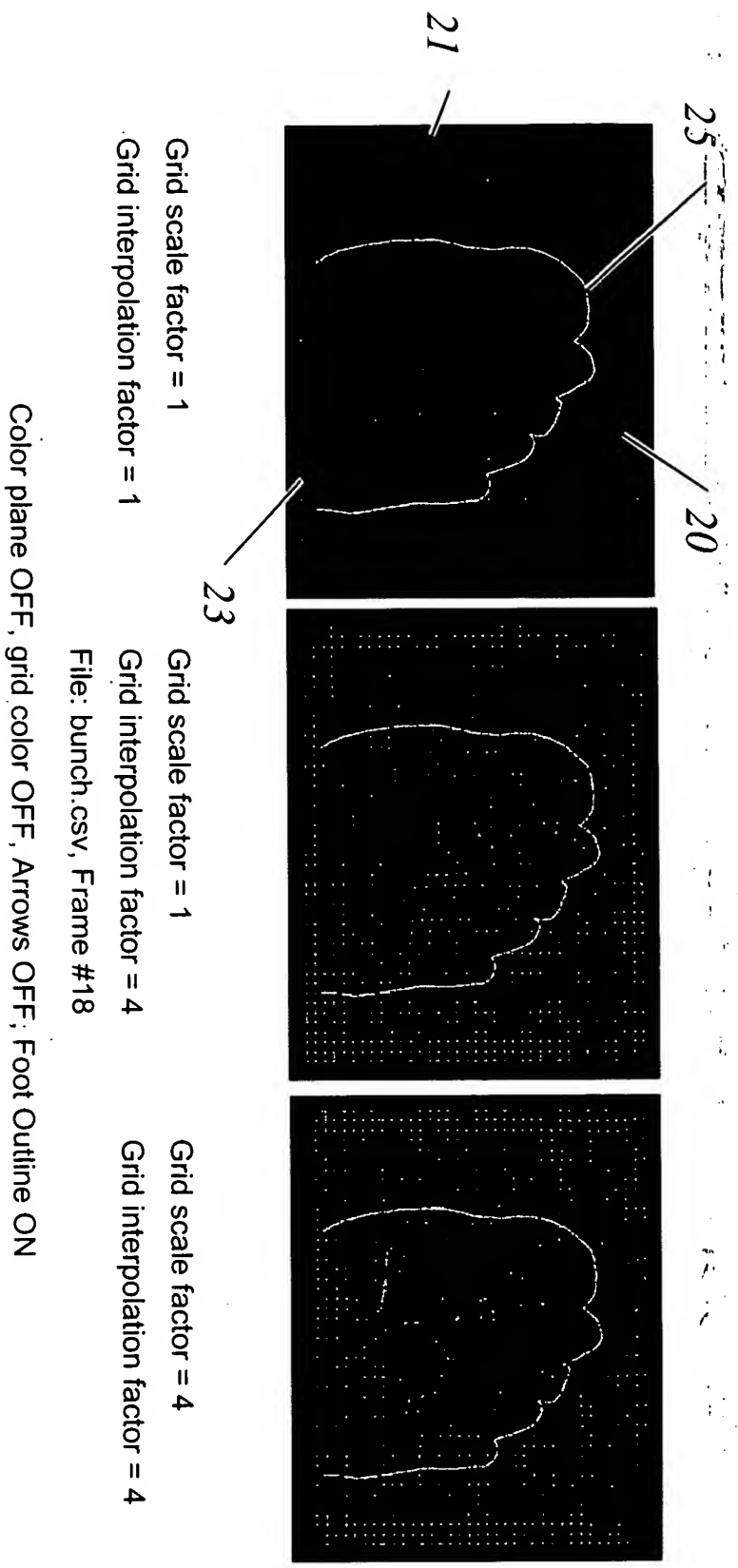
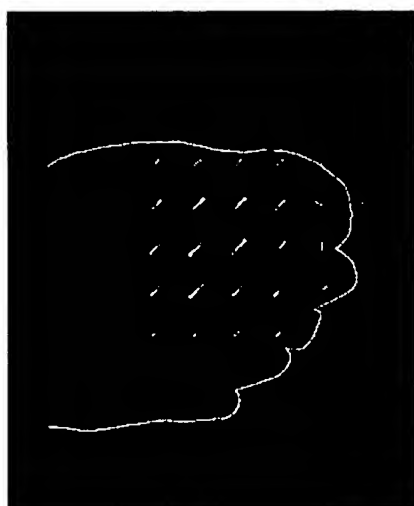
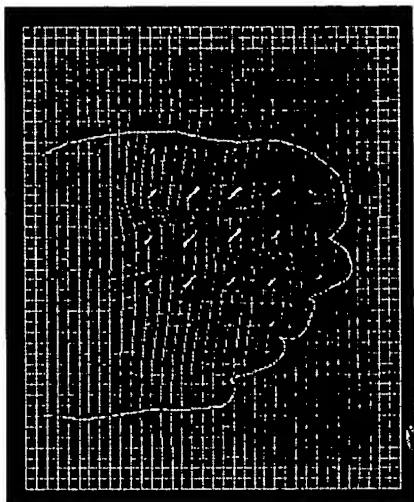
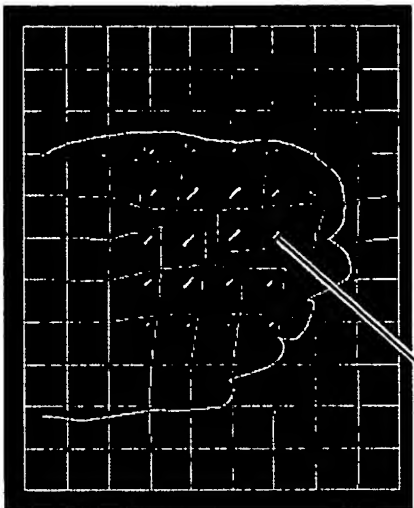


FIG. 2



Grid scale factor = 1

Grid scale factor = 1

Grid OFF

Grid interpolation factor = 1

Grid interpolation factor = 4

--

Arrows scale factor = 1

Arrows scale factor = 1

Arrows scale factor = 1

File: bunch.csv, Frame #18

Color plane OFF, grid color OFF, Arrows ON, Foot Outline ON

FIG. 3



Large pressure, small shear

Medium pressure, medium shear

Small pressure, large shear

File: bunch.csv, Frames #12, 16, 20

Color plane ON, grid color OFF, 3-DArrows ON, 3-DGrid OFF, Foot Outline ON

FIG. 4



Grid scale factor = 0 (no deformation)

Grid scale factor = 1 (deformation)

Grid scale factor = 0 (no deformation)

Grid interpolation factor = 8

Grid interpolation factor = 8

Grid interpolation factor = 8

2-D Arrows OFF

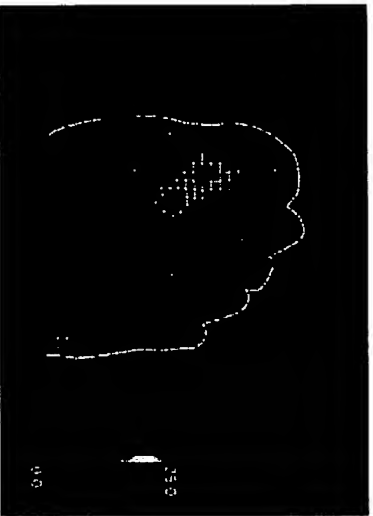
2-D Arrows OFF

2-D Arrows ON

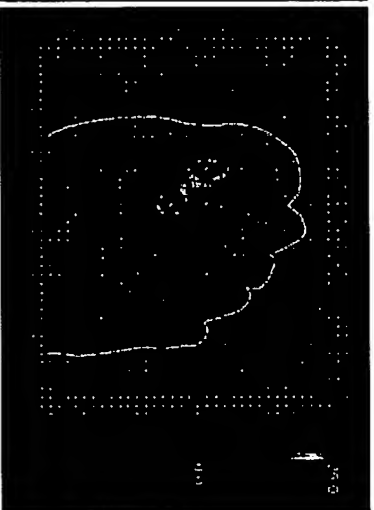
File: bunch.csv, Frame #15

Color plane ON, grid color ON, Foot Outline ON

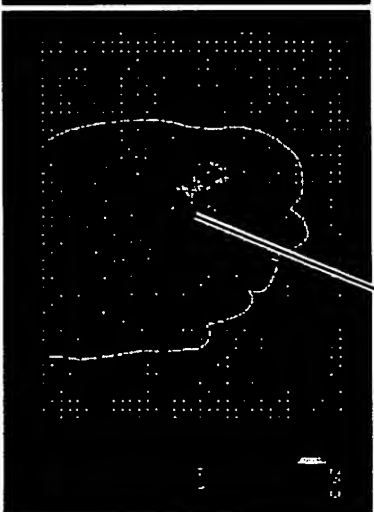
FIG. 5



a. Grid color ON



b. Color plane ON



c. Color plane ON

Analysis result of maximum  
pressure shown with purple  
highlight circle

File: bunch.csv, Frame #12

Arrows OFF, Foot Outline ON, Grid Interpolation Factor = 4

FIG. 6

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Foot Visualization - Analysis Numerical Readout

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Analysis Numerical Readout

	Entire Dataset	Current Frame
Max Shear (kPa)	13.07 @ [4.0,5.0]	0.54 @ [1.0,8.0]
Max Pressure (kPa)	31.57 @ [5.0,4.0]	0.41 @ [8.0,3.0]
Max Bunching	-0.71 @ [4.5,4.0]	-0.02 @ [1.0,8.5]
Max Stretching	0.53 @ [4.0,6.5]	0.02 @ [9.0,7.5]
Max Twisting	-0.62 @ [5.5,5.5]	-0.02 @ [0.5,8.0]

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FIG. 7



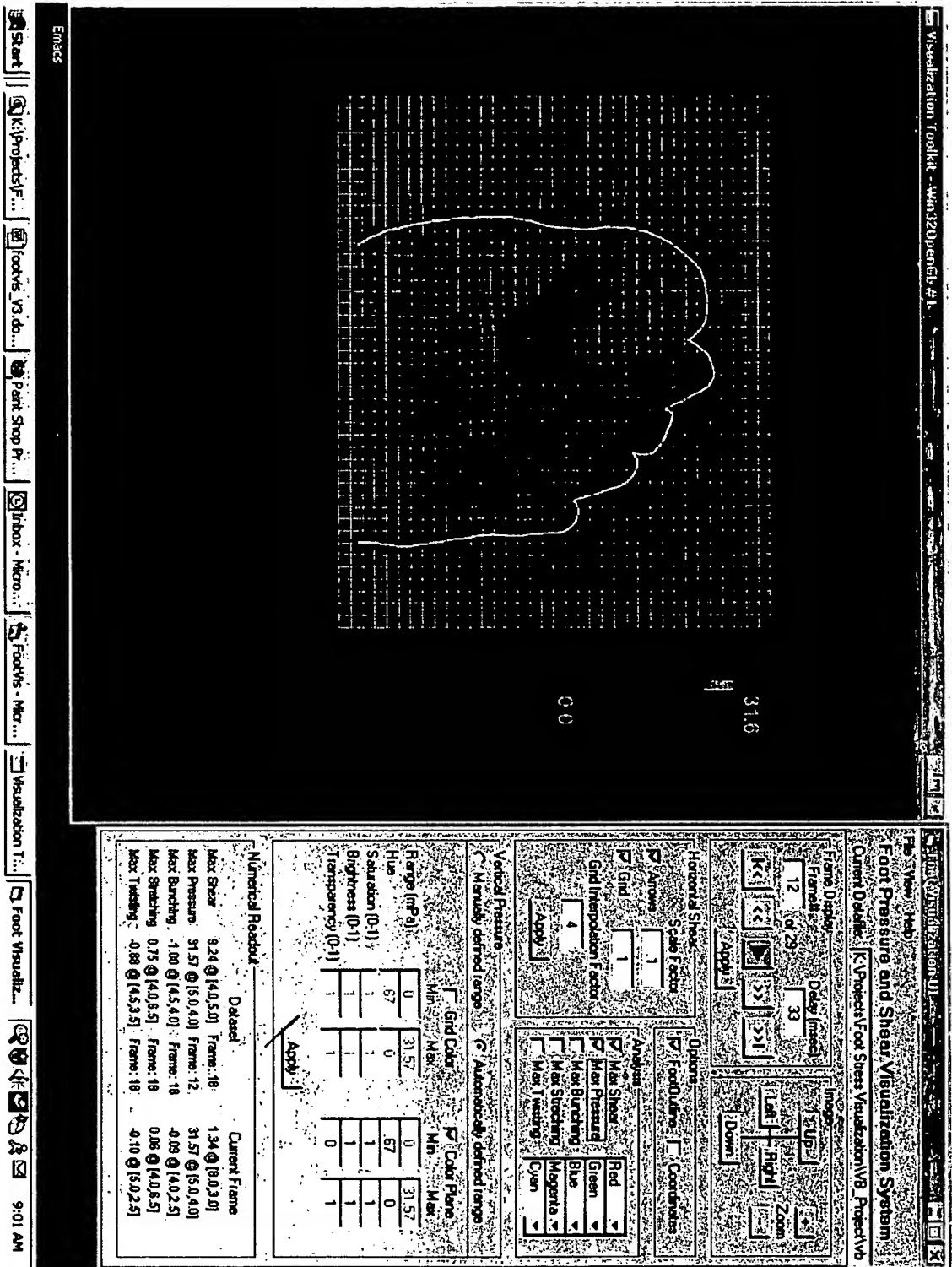


FIG. 8

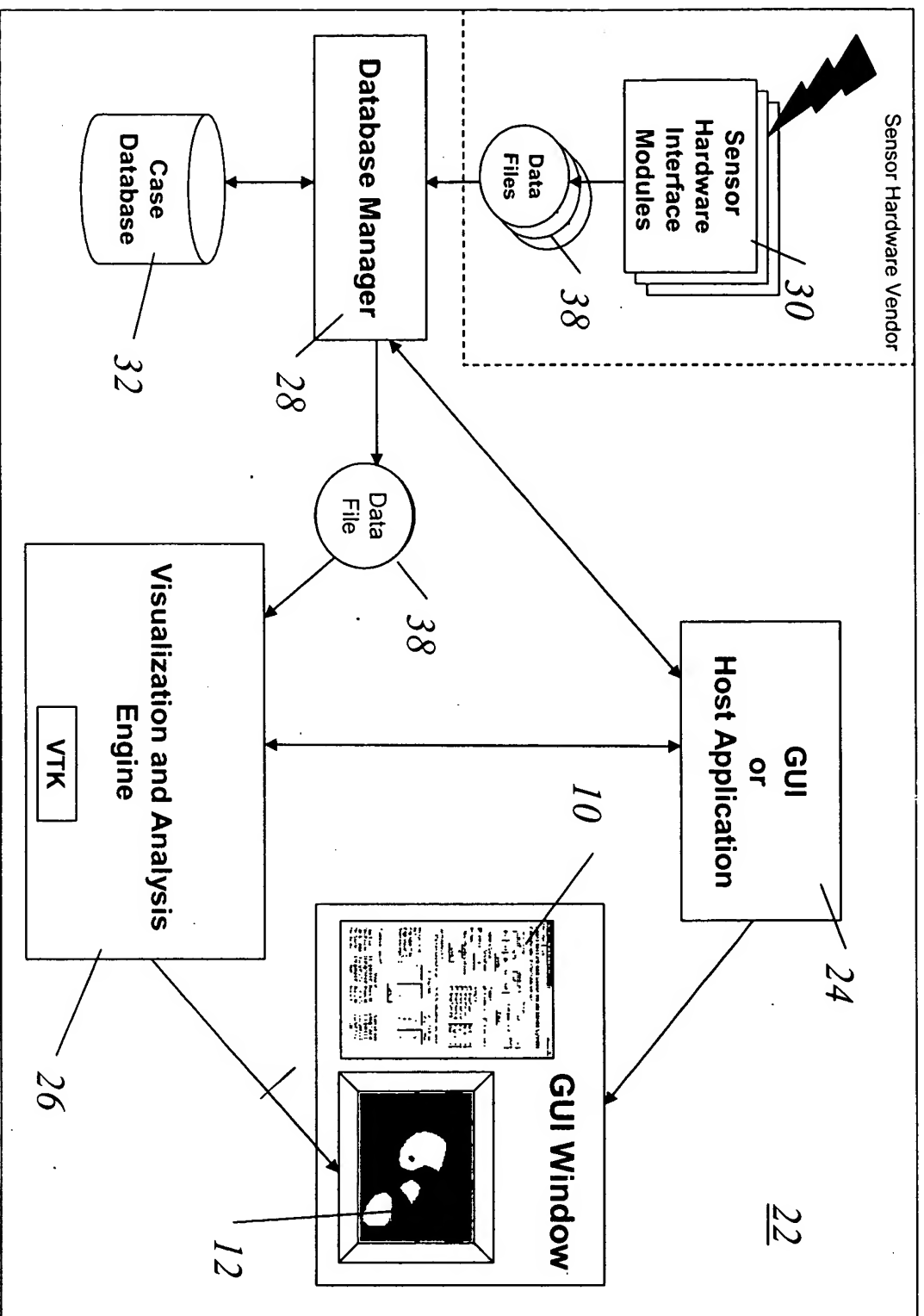


FIG. 9

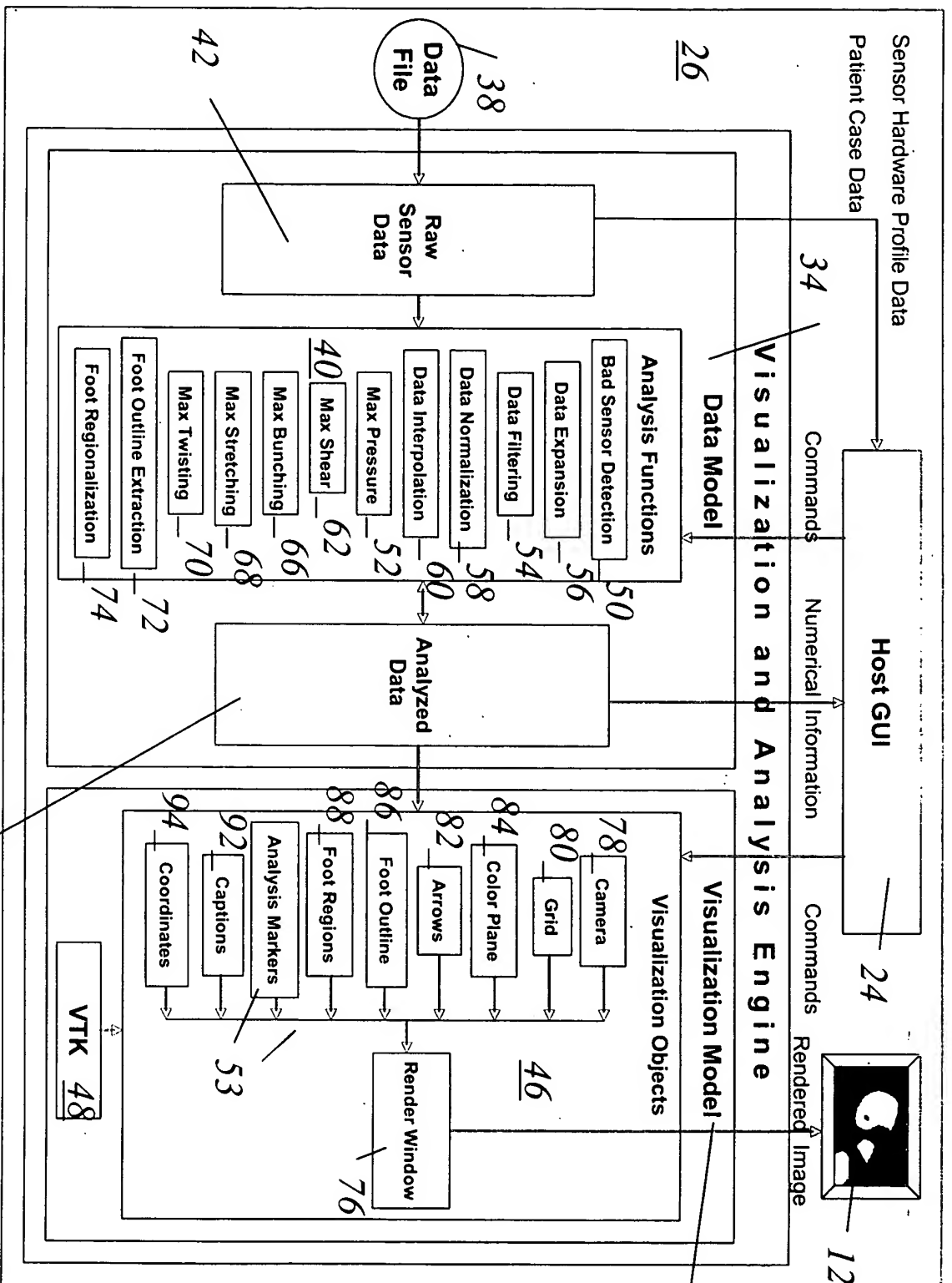


FIG. 10